

Lockheed Martin IS&GS – Civil
Energy & Environment
ESAT Region 3
US EPA Environmental Science Center
701 Mapes Road Ft. Meade, MD 20755-5350



Ex. 4 - CBI

May 31, 2012

Ms. Colleen Walling
ESAT Region 3 Project Officer
U.S. EPA Region III
OASQA
701 Mapes Road
Environmental Science Center
Ft. Meade, MD 20755-5350

Dear Colleen:

Enclosed please find the weekly progress report detailing Region III ESAT activities for the period May 21 through May 27, 2012 for contract EP-W-06-016. The weekly progress report is comprised of Weekly Task Order Highlights and Task Order/Sub-Task Tables. All information compiled in the Task Order tables is cumulative for the current month. I trust this progress report meets your needs. Should you have questions or comments, please do not hesitate to call me.

Sincerely,

Ex. 4 - CBI

ESAT Region 3 Program Manager

Enclosures

Weekly Highlights (May 21 through May 27, 2012)**Management**

The ESAT PM met with the ESAT PO to discuss current tasks and financial status of all task orders. All tasks are proceeding on schedule. We continue to provide the ESAT PO a weekly ad-hoc data validation status and CEAT audit back-log reports.

Task Order 0041, Analytical and Laboratory Support

TDF 05027 – Perform Method Detection Limit (MDL) and Demonstration of Capability (DOC) Studies for Both Nominal Level and Low Level Hexavalent Chromium Analysis for New Analyst, assigned 5/21/12, due 6/29/12 – ESAT was assigned the task of performing MDL and DOC studies for hexavalent chromium analyses at the nominal Quantitation Limit (QL) of 10 µg/L and at the low level QL of 1.0 µg/L in accordance with EPA Region 3 Quality Manual (current version) and all current relative SOPs. This TDF is applicable for the expansion of capabilities for the recently hired ESAT analysts **Ex. 4 - CBI** Activities relative to this TDF are currently in progress.

Task Order 0042, Data Validation and Quality Assurance Support

TDF 04058 – Implement Use of EXES Tools and Region 2 Report for Data Validation, assigned 4/25/12, due 5/30/12 – ESAT was tasked to begin a pilot study on the use of Environmental Data Exchange and Evaluation System (EXES) to perform data validation for data generated through CLP and processed by SMO. Data require validation levels M1 and IM1 are included in this pilot study. In addition, ESAT is to use the provided Region 2 reporting format as a guide in preparing the validation report for data in this pilot study. Organic Case 42251, SDG C0007 and inorganic Case 42227, SDG MC0170 were validated utilizing the EXES tools. The validation reports for these cases along with a suggested report format as well as a list of issues employing the EXES tools were submitted to EPA May 8, 2012, and May 15, 2012, respectively. We await Agency feedback.

TDF 05013 – Use of EXES Tools and National Functional Guidelines (NFG) for M1 Data Validation, assigned 5/16/12, due 5/25/12 – ESAT was tasked to utilize the EXES tools and NFG to validate data in the cases listed below. These cases were also assigned under TDFs listed for M1 validation. These cases will be validated using EXES tools and NFG. A list of issues utilizing this procedure will be also submitted for each data case as requested in the TDF.

<u>Site</u>	<u>Case</u>	<u>SDG</u>	<u>TDF for M1 Review</u>
Not Responsive	42181	C0C51	05015
	42273	CY545	05017
	42273	CY597	05018
	42273	CY582	05031

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

ESAT began performing the 2012 Through-the-Probe (TTP) audits this week. Three sites **Ex. 4 - CBI** were successfully audited this week.

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Task Order 0041

Task 1 - Analytical and Laboratory Support - Site Specific

WO#	TDF	Site / Request #	Samples / Matrix	Assigned	Due	Submitted	Accepted	Status
1204009	04059	Not Responsive	2 Wipes, Total Lead	4/25/12	6/25/12	Pending		One sample was received 4/19/12. An additional sample was received 4/24/12. Sample analyses are currently in progress.
1204010	04060		1 Aqueous, Anions	4/25/12	6/25/12	Pending		One sample was received 4/24/12. Sample analyses are currently in progress.
	04061		1 Soil, Total Metals	4/25/12	6/25/12	Pending		One sample was received 4/24/12. Sample analyses are currently in progress.
	04062		1 Aqueous, Hexavalent Chromium	4/25/12	6/25/12	Pending		One sample was received 4/24/12. Sample analyses are currently in progress.
1204011	04064		3 Air, TO-15	4/26/12	P: 5/17/12 F: 5/25/12	P: 5/15/12 F: 5/23/12	5/23/12	The final report was consolidated 5/23/12. Three samples were received 4/26/12.
1204016	04071		18 Air, TO-14A	4/30/12	P: 5/18/12 F: 5/25/12	P: 5/11/12 F: 5/18/12	5/21/12	The final report was consolidated 5/21/12. Eighteen samples were received 4/27/12.
1205007	05014		44 Aqueous Hexavalent Chromium	5/10/12	P: 6/6/12 F: 6/14/12	P: Pending F:		Seventeen samples were received 5/10/12. Additional samples were received 5/11/12 (24) and 5/16/12 (3), respectively. Sample analyses are currently in progress.
1205008	05019		3 Air, TO-15	5/15/12	P: 6/5/12 F: 6/13/12	P: Pending F:		Three samples were received 5/15/12. Sample analyses are currently in progress.
1205009	05023		4 Air, TO-15	5/17/12	P: 6/7/12 F: 6/8/12	P: Pending F:		Four samples were received 5/17/12. Sample analyses are currently in progress.

P = Preliminary report, F = Final report

Task Orders 0036 & 0041

Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity
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May 21 through May 27, 2012

Task Orders 0036 & 0041

Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity	
2	Instrument Maintenance	All ESAT-assigned instruments were fully functional.	
3	Sample Custody	New Requests	One new request was accepted for ESAT this week Not Responsive (DAS# R33994) - 4 air samples for TO-15.
		Canister Deliveries	Evacuated canisters were shipped this week for Not Responsive (DAS# R33954). No evacuated canisters are scheduled to be shipped next week.
		ESAT Sample Receipt	No ESAT samples were received this week.
		EPA Sample Receipt	EPA Superfund samples were received by ESAT this week for Not Responsive (WO# 1205015).
		Report Consolidation	The final reports were consolidated this week for Not Responsive (WO# 1204016) and Not Responsive (WO# 1204011).
4	Glassware Cleaning and Lab Cleanliness	Both glassware washing units and glassware baking ovens were fully functional.	
5	Reagents and Supplies	The weekly chemical inventory is scheduled to be completed 5/29/12 and the report will be submitted to the PO.	
6	Lab Safety	<p>On 5/24/12, ESAT Chemist Ex. 4 - CBI attended the ESC Waste Committee Meeting held in the V/T Conference Room.</p> <p>TO 0041 / TDF 03057, assigned 3/29/12, summary due 6/21/12 and 6/26/12 – ESAT was assigned the task of providing technical expertise for performing laboratory sample handling and analysis in support of this task order to attend the Region 3 ESC Annual Laboratory Safety Refresher Training. Attendance is required for all ESAT laboratory chemists / analysts. Training will be provided at the Region 3 ESC facilities located on-site at Ft. Meade on Thursday, June 21, 2012 or Tuesday, June 26, 2012 from 8:30 am to 5:00 pm. Upon completion of the assigned training, a brief summary of the topics discussed is to be provided in the weekly report. Activities relative to this TDF are currently pending.</p>	
7	Review SOPs and Guidance Documents	None	
8	New Capabilities/Method Development	<p>TO 0036 / TDF 03061, TO-15 Pilot Study – Draft/Verbal Technical Direction, Assigned 3/17/11, Various Interim Due Dates (Final Report Due 6/30/11) – As a result of the TO-15 Pilot Study Conference Call held 3/14/11, ESAT was assigned to complete the tasks listed below, which have been completed:</p> <ul style="list-style-type: none"> • Prepare a set of test bottles (1 under vacuum and 1 without vacuum) and a micro vacuum gauge with one connector for field samplers to utilize / test sample collection procedures for the Air Pilot Study by the end of the week. Sample containers shall be shipped in a shipping case. • Field Sampler will test on Friday and provide feedback / results of testing bottles. • Check with Entech to determine how existing sampling line would connect to the bottles for field sampling. • Prepare canisters (1 per location / sample station) and sample bottles (2 per station location / sample station). In addition, include a return shipping label/UPS air bill to be sent to the field samplers for sampling the first full week of April (4/4/11 thru 4/8/11) for the April sampling. Two stations were selected at the North Penn Area 6 site for the air pilot study: WSINFA and WSCARBA. 	

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Task Orders 0036 & 0041

Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity
		<p>The analyses of air samples have been completed for the Summa canisters and amber bottles, received from the site under DAS# R33677. A report containing a review and comparison of the results obtained from these analyses was submitted 7/13/11. The report was returned to ESAT and we are currently awaiting a feedback form from the sampler. The return of the micro-vacuum gauge is also currently pending.</p> <p>TO 0041 / TDF 05027 – Perform Method Detection Limit (MDL) and Demonstration of Capability (DOC) Studies for Both Nominal Level and Low Level Hexavalent Chromium Analysis for New Analyst, Assigned 5/21/12, Due 6/29/12 – ESAT was assigned the task of performing MDL and DOC studies for hexavalent chromium analyses at the nominal Quantitation Limit (QL) of 10 µg/L and at the low level QL of 1.0 µg/L in accordance with EPA Region 3 Quality Manual (current version) and all current relative SOPs. This TDF is applicable for the expansion of capabilities for the recently hired ESAT analysts. Ex. 4 - CBI Activities relative to this TDF are currently in progress.</p>
9	Quality Assurance Compliance and Documentation	<p>No documents were received by ESAT for log-in this week.</p> <p>ESAT Chemist Ex. 4 - CBI continued annual NQL verification activities relative to hexavalent chromium, metals analyses and TO-14A/ TO-15, respectively, this week.</p> <p>TDF 05012, assigned 5/8/12, PNB and SNB Notebooks to E234 between 5/10/12 – 5/14/12: QA Walkthrough between 5/14/12 – 5/18/12; ESAT to provide written corrective actions by 6/8/12 – ESAT was assigned the task of performing support activities relative to the 2012 QA Walkthrough of audit for Region 3 ESAT by Region 3 EPA Lab QAO. Activities relative to this task included the following:</p> <ul style="list-style-type: none"> Place all PNB and SNB notebooks or, if currently in use, copies of the covers of the notebooks indicating where the notebook can be found, if needed, to Room E234. Be available for questions, if needed, during the QA Assessment. Provide written responses to any findings as a result of the QA Walkthrough, including corrective actions, if needed.

Task Order 0042, Task 1 - Review and Validate Organic Data

Level of Review: M1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
05013/ 05031	Not Responsive	42273	20 W	TVOA	5/23/12	5/31/12				In progress
05036		42273	15 W	TVOA	5/24/12	6/1/12				Not initiated

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Task Order 0042, Task 1 - Review and Validate Organic Data

Level of Review: M2

TDF	Site Name	Case	Samples Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
05020	Not Responsive	42288	18 W	SV/Pest/Aroclors	5/16/12	5/24/12	5/21/12	5/21/12	5/21/12	Complete
05024		42288	16 W	Full Organics	5/17/12	5/29/12	5/24/12	5/24/12	5/25/12	Complete
05025		42288	8 W	Full Organics	5/18/12	5/29/12	5/24/12	5/24/12	5/25/12	Complete
05026		42288	20 W	Full Organics	5/18/12	5/30/12	5/23/12	5/24/12	5/25/12	Complete
05028		42288	20 W	Full Organics	5/22/12	5/30/12	5/24/12	5/25/12	5/25/12	Complete
05030		42288	9 S	Full Organics	5/22/12	5/31/12	5/23/12	5/23/12	5/23/12	Complete
05037		R33856	2 Air	VOA TO-15	5/24/12	5/30/12				Not initiated
05038		42239	20 W	VOA/SV + Mod.	5/24/12	6/4/12				Not initiated
05039		42239	10 W	VOA/SV + Mod.	5/24/12	6/4/12				Not initiated
05041		R33915	11 W	Methanol by 8015B	5/25/12	6/5/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Organic Data

Level of Review: M3

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
05029	Not Responsive	42278	8 W	TVOA	5/22/12	5/30/12	5/24/12	5/24/12	5/25/12	Complete

Task Order 0042, Task 1 - Review and Validate Inorganic Data

Level of Review: IM1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
05032	Not Responsive	42288	18 W	TM/CN	5/23/12	5/31/12				Awaiting clarification from the laboratory; requested 5/24/12
05033		42288	20 S	TM/CN	5/23/12	6/1/12				In progress
05034		42288	19 S	TM/CN	5/23/12	6/1/12				In progress
05035		42288	18 W	TM/CN	5/23/12	6/1/12				In progress
05040		R33915	11 W	Oil & Grease	5/25/12	6/5/12				Not initiated

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Task Order 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM2

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
No TDFs were assigned for Level IM2 review this week.										

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Task Orders 0042, Regional Sample Control Center

Task	Description	Period Covering					Comments
2	Data Tracking	5/21-5/27/12					
	RAS requests received	5					
	DAS requests received	8					
	Estimated number of samples booked	360					Does not include 199 samples for Dimock.
	Data Package Status Report	1					
2	Document Control						
	Samples audited	237					
	SDGs received	20					
	SDGs audited (with billable units)	15					
	SDGs: RAS - Unvalidated electronic files forwarded	2					
	SDGs awaiting audit	123					
	COC received	11					
	Validation reports transmitted	8					
	Audit responses	0					
	Lab responses	0					
	Memos to file	0					
4	Archived	34 cases; 42 SDGs					

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Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support

TDF	Sites (Parameter)	Site Visit				Trip Report		Comments
		Set-Up	Audit Run Day	Take-Down	Returned to ESC	Due	Completed	
04053	Not Responsive	5/14/12	5/15/12	5/16/12	5/16/12	5/31/12	5/22/12	All site audits were completed successfully.
04053		5/23/12	5/24/12	5/25/12	5/25/12	6/8/12	Pending	All site audits were completed successfully.
04053		Pending	Pending	Pending	Pending	Pending	Pending	None

Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support

Tasks - Non-Site Specific

Task	Description	Activity/Comments
1	Develop Site Sampling Schedule	On 5/25/12, the June 2012 PEP audit schedule was submitted to the EPA PO and EPA WAM/TOPO. On 5/7/12, ESAT was contacted by the Region 3 EPA WAM/TOPO regarding the possible addition of sites to the current 2012 PEP audit site selection list. These pending additional sites are to re-audit 2011 locations because of issues related to the weighing laboratory in 2011. The WAM will notify ESAT when these additional sites will be added to the 2012 site list.
2	Field Support	None
3	QA/QC Support	On 4/25/12, ESAT shipped Pb PEP BGI HVC-8 field standards #0031 and #0061 to EPA contractor Research Triangle Institute (RTI) for Round 4 of the 2012 standard re-certification. These field standards will be checked and verified against a NIST traceable standard. Parameters to be verified include ambient/filter temperature, ambient pressure and flow rate. Return of the units is pending.
4	Maintenance & repair of vehicle	None
	Maintenance & repair of sampling equipment	On 4/26/12, ESAT shipped BGI unit #202 to EPA Region 4 in Athens, GA for troubleshooting. This unit has been having consistent problems with passing leak check. Region 4 will assess this problem and the unit will be returned upon completion of assessment.
5	Training	None
6	Monitoring Site Reconnaissance	None

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Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

TDF	Site	Parameters	Site Visit			Trip Report		Comments
			Conditioning & Warm Up	Audit Performed	Returned to ESC	Due	Completed	
04054	Not Responsive	O3	5/21/12	5/21/12	5/21/12	6/5/12	Pending	The site audit was completed successfully.
04054		O3	5/21/12	5/21/12	5/21/12	6/5/12	Pending	The site audit was completed successfully.
04054		O3	5/23/12	5/23/12	5/23/12	6/7/12	Pending	The site audit was completed successfully.
04054		O3, CO, SO2	Pending	Pending	Pending	Pending	Pending	Note: As per MDE, the NOy monitor has been removed from the Aldino, MD site.
04054		O3	Pending	Pending	Pending	Pending	Pending	Pennsylvania DEP state personnel were contacted to gather logistics regarding this site audit.
04054		O3	Pending	Pending	Pending	Pending	Pending	Pennsylvania DEP state personnel were contacted to gather logistics regarding this site audit.

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

Tasks - Non-Site Specific

Task	Description	Activity/Comments
2	Field Implementation Support	On 5/25/12, the June 2012 TTP audit schedule was submitted to the EPA PO and EPA WAM/TOPO.
3	QA/QC Support	None
5	Maintenance & repair of vehicle	None
	Maintenance & repair of sampling equipment	None
6	Training	None